
Further Nomenclatural Innovations in World Campanulaceae

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ABSTRACT. Four replacement names are required in Campanulaceae s.l. due to the principle of priority. Genera affected are *Codonopsis* Wallich, *Lobelia* L., and *Wahlenbergia* Schrader ex Roth.

Key words: Campanulaceae, *Codonopsis*, *Lobelia*, *Wahlenbergia*.

Work is drawing to a close on the checklist of world Campanulaceae s.l. Although six precursor papers effecting requisite nomenclatural innovations have already appeared (Lammers, 1995, 1998a, 1998b, 1999a, 1999b; Serra et al., 1999), four additional situations have come to light that require action. Each involves the principle of priority and is rectified by the validation of a replacement name. As in previous cases, none of the species is sufficiently well known or important to justify conservation of its currently used name.

Codonopsis hongii Lammers, nom. nov. Replaced name: *Codonopsis hirsuta* (D. Y. Hong) K. E. Morris & Lammers, *Novon* 9: 387. 1999; non (Handel-Mazzetti) D. Y. Hong & L. M. Ma, in H. W. Li & Z. Y. Zhu, *Flora Sichuanica* 10: 546. 1992, based on *Codonopsis limprichtii* var. *hirsuta* Handel-Mazzetti, *Akad. Wiss. Wien, Math.-Naturwiss. Kl., Anz.* 61: 169. 1924. Basionym: *Leptocodon hirsutus* D. Y. Hong, *Acta Phytotax. Sin.* 18: 246. 1980. TYPE: China. Xizang: Zayu, Shang Zayu Zhong Xiang A Zha, mixed forest on slope, 2500 m, *Qinghai-Xizang Exped. Team 73-1014* (holotype, PE not seen).

In a previous paper (Lammers, 1999b), the genus *Leptocodon* (Hooker f.) Lemaire was subsumed into *Codonopsis* Wallich. It was not realized that the new combination proposed for *Leptocodon hirsutus* was preoccupied. The name proposed here rectifies that oversight.

The new epithet honors Hong De-yuan (1936–) of Beijing, who originally described the species. He is Director of the Open Laboratory of Plant Systematics and Evolution; Professor at the Institute of Botany, Chinese Academy of Sciences; and a major figure in the development of modern botanical re-

search in China (Anonymous, 1997). It is a privilege to recognize his many years of work on the systematics, evolution, and biogeography of the Campanulaceae by naming this member of the family in his honor.

Lobelia andrewsii Lammers, nom. nov. Replaced name: *Lobelia gracilis* Andrews, *Bot. Repos.* 5: pl. 340. 1803; non Salisbury, *Prodr. Stirp. Chap. Allerton* 129. 1796, nom. illeg., based on *Lobelia laurentia* L., *Sp. Pl.* 931. 1753. *Rapuntium gracile* (Andrews) C. Presl, *Prodr. Monogr. Lobel.* 21. 1836. *Dortmanna gracilis* (Andrews) Kuntze, *Revis. Gen. Pl.* 2: 972. 1891. TYPE: Great Britain. Clapham gardens, Aug. 1803, Andrews (1803), pl. 340 (holotype).

Lobelia gracilis var. *rosea* J. W. Loudon, *Ladies' Flowergard. Ornam. Annuals* 1: 164. 1840. *Lobelia gracilis* f. *rosea* (J. W. Loudon) E. Wimmer, *Pflanzenr.* IV.276c: 563. 1953. TYPE: Great Britain. Forrest's Kensington nursery, Loudon (1840), pl. 29 fig. 6 (holotype).

Lobelia gracilis var. *major* Bentham, *Fl. Austral.* 4: 125. 1868. TYPE: Australia. Crevices of rocks, Mount Lindsay, *W. Hill s.n.* (holotype, K not seen).

This annual Australian species has long been known by a name that is a later homonym. It is renamed in honor of its author, English botanical painter and engraver Henry C. Andrews (fl. 1799–1830), publisher of the illustrated *Botanist's Repository*.

Wahlenbergia orae Lammers, nom. nov. Replaced name: *Wahlenbergia littoralis* Schlechter & Brehmer, *Bot. Jahrb. Syst.* 53: 127. 1915; non (Labillardière) Sweet, *Hort. Brit.* (ed. 2) 593. 1830, based on *Campanula littoralis* Labillardière, *Nov. Holl. Pl.* 1: 49. 1805. TYPE: South Africa. Beim Keiberg, im Gestrüpp, 6 Jan. 1895, R. Schlechter 6195 (holotype, B not seen).

This Cape Province endemic has been known for many years by a name that is a later homonym. The new epithet is the genitive singular of the Latin

noun *ora*, coast, and was selected to preserve the meaning of the original epithet.

Wahlenbergia thulinii Lammers, nom. nov. Replaced name: *Lightfootia oppositifolia* A. DC., Monogr. Campan. 115. 1830; non *Wahlenbergia oppositifolia* A. DC., in DC., Prodr. 7: 429. 1839. TYPE: South Africa. Cape Province, Table Mt., *W. Burchell 606* (holotype, G-DC not seen; isotype, K not seen).

Lightfootia capillaris H. Buek, in Ecklon & Zeyher, Enum. Pl. Afric. Austral. 372. 1837. *Wahlenbergia capillaris* (H. Buek) Lammers, Taxon 44: 335. 1995; non (Loddiges) Sweet, Hort. Brit. (ed. 2) 593. 1830, based on *Campanula capillaris* Loddiges, Bot. Cab. 15: pl. 1406. 1829. TYPE: South Africa. Caledon, Genadendal, *C. Ecklon & C. Zeyher 2342* (holotype, S not seen; isotype, SAM not seen).

When I transferred the southern African species of *Lightfootia* L'Héritier, nom. illeg., to *Wahlenbergia* Schrader ex Roth (Lammers, 1995), I was unable to take up the epithet of *L. oppositifolia* in the new genus as the resulting combination was preoccupied. Instead, I took up the epithet of the earliest name treated as a synonym of that species, *L. capillaris*. To my regret, I subsequently discovered that this epithet likewise has already been used in *Wahlenbergia*, necessitating the creation of a replacement name.

The new epithet honors distinguished Swedish botanist Mats Thulin (1948–), professor at Uppsala University, who has devoted over 20 years to the study of African Campanulaceae. His exemplary monograph of the tropical African species of *Wah-*

lenbergia (Thulin, 1975) has contributed greatly to our understanding of this large and complex genus. It is a pleasure to recognize his distinguished career by naming this member of the genus in his honor.

Acknowledgments. I extend my thanks to my colleague, Neil A. Harriman, who reviewed a copy of the manuscript prior to submission.

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